

10-04-04

DFW

Attorney Docket No. 5051-644

PATENT

In re: Muthukumaran et al.

Confirmation No.: 1674

Application No.: 10/698,255

Group Art Unit: 1645

Filed: October 31, 2003

For: SYNTHESIS OF PHOSPHONO-SUBSTITUTED PORPHYRIN COMPOUNDS  
FOR ATTACHMENT TO METAL OXIDE SURFACES

Date: October 1, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Sir:

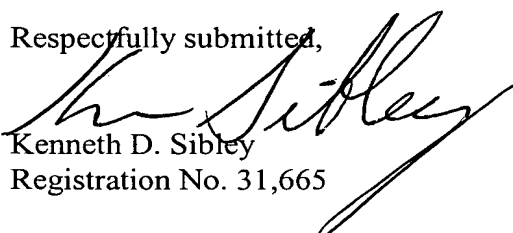
Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Myers Bigel Sibley & Sajovec, P.A.  
P. O. Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401  
Customer No. 20792

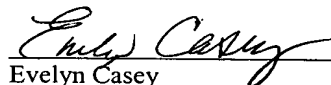
Respectfully submitted,

  
Kenneth D. Sibley  
Registration No. 31,665**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

"Express Mail" mailing label number EV 472512005 US

Date of Deposit: **October 1, 2004**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Amendment Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

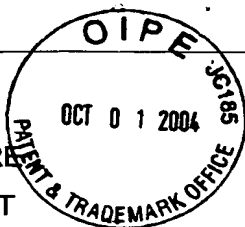
  
Evelyn Casey

Substitute form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	A	of	A	Attorney Docket Number	5051-644
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**Complete if Known**

Application Number	10/698,255
Filing Date	October 31, 2003
First Named Inventor	Jonathan S. Lindsey
Group Art Unit	1645
Examiner Name	To be Assigned

**U.S. PATENTS AND PATENT PUBLICATIONS**

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known[seft])		
	1.	US-6,420,648		Lindsey	July 16, 2002
	2.	US-6,559,374		Lindsey et al.	May 6, 2003
	3.	US-6,603,070		Lindsey et al.	August 5, 2003
	4.	US-6,642,376		Lindsey et al.	November 4, 2003
	5.	US-20030096978		Lindsey et al.	May 22, 2003
	6.	US-10/641,412		Lindsey et al.	Filed: August 15, 2003
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

**OTHER NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	7.	Gryko et al.; "Parallel synthesis of <i>meso</i> -substituted corroles and <i>meso</i> -substituted [22]pentaphyrins(1.1.1.0.0) from diacyldipyrromethanes" <i>J. Porphyrins Phthalocyanines</i> 7 239-248 (2003).	
	8.	Rao et al.; "Rational Syntheses of Porphyrins Bearing up to Four Different Meso Substituents" <i>J. Org. Chem.</i> 2000 65, 7323-7344 (2000).	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

ATTY DOCKET NO.: 5051.649

DATE: August 15, 2003

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b))**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is:

- ☒ a patent application  
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: \_\_\_\_\_; filed \_\_\_\_\_, the disclosure of which is incorporated herein by reference in its entirety.  
☐ and claims the benefit of Provisional Application No. \_\_\_\_\_; filed \_\_\_\_\_.

Inventor(s) or Application Identifier:

**Jonathan S. Lindsey, Savithri Dhanalekshmi, Joydev K. Laha; Masahiko Taniguchi**

Entitled: **SCALABLE SYNTHESIS OF DIPYRROMETHANES**

**USPTO Customer No. 20792**  
Myers Bigel Sibley & Sajovec, P.A.  
Post Office Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ 41 pages of Specification (including 24 claims)
3. ☒ 5 sheets of Formal Drawings (35 USC 113)
4. ☐ Oath or Declaration
  - a. ☐ newly executed (*original or copy*)
  - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 6 Below]
  - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
6. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

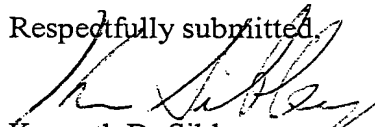
7. ☐ Microfiche Computer Program (*Appendix*)
8. ☐ Assignment papers (*cover sheet(s) and document(s)*)
9. ☒ Applicant claims small entity status. See 37 CFR § 1.27.
10. ☒ Information Disclosure Statement, PTO-1449, and 7 references cited
11. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)
12. ☐ English Translation Document
13. ☐ Certified Copy of Application No. ; Filed
14. ☐ Sequence Listing/ Sequence Listing Diskette
  - a. ☐ computer readable copy
  - b. ☐ paper copy
  - c. ☐ statement in support
15. ☐ An Associate Power of Attorney
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
17. ☐ Other:

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate Fee	Large Entity Rate Fee
BASIC FEE			\$375.00	\$ 750.00
TOTAL CLAIMS	24 - 20 =	4	x 09 = \$ 36.00	x 18 = \$
INDEP CLAIMS	1 - 3 =	0	x 42 = \$	x 84 = \$
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 140 = \$	+ 280 = \$
<i>If the difference in Col. 1 is less than zero, Enter "0" in Col. 2</i>			Total \$ 411.00	Total \$

- ☒ A check in the amount of **\$411.00** to cover the filing fee is enclosed.
- ☐ A check in the amount of \$ is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).
- ☐ Please charge my Deposit Account No. 50-0220 in the amount of \$
- ☐ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:
- a. ☐ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.
  - b. ☐ Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,


  
Kenneth D. Sibley  
Registration No. 31,665

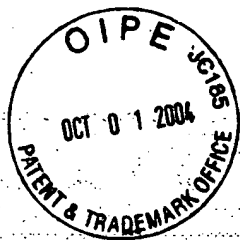
#### CERTIFICATE OF EXPRESS MAILING

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Date of Deposit: August 15, 2003

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Vickie Diane Prior



Commissioner for Patents  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

16235 U.S. PTO 5051.649/KDS:vp  
10/641412  
08/15/03  
08-22-03 A09:12 IN

Sir: Kindly acknowledge receipt of the accompanying by placing your  
receiving date stamp hereon and mailing:  
Re: Lindsey, et al.; For: Scalable Synthesis of Dipyrromethanes

**APPLICATION TRANSMITTAL; SPECIFICATION (41 PP., 24  
CLAIMS); 5 SHEETS FORMAL DRAWINGS; IDS (W/7REF.);  
\$411 CK.  
EXPRESS MAIL EV318419989US**

Respectfully,  
**MYERS BIGEL SIBLEY & SAJOVEC, P.A.**  
Attorneys for Applicant

**BEST AVAILABLE COPY**